



Improving Building Envelopes

Heating, ventilation, and air conditioning (HVAC) consumes large amounts of energy in a building. A dramatic way to reduce energy use is to improve the effective thermal insulation in a building. Small improvements can help maintain the desired temperatures for occupancy and comfort while reducing the runtimes of HVAC systems. This, in turn, can often mean substantial savings and reductions in GHG emissions from reduced energy use.

Talking Points

- » What does a Carbon Reduction Manager (CRM) do?
- » Using energy-efficiency as a tool to reduce emissions.
- » How does AEE raise the technical and ethical standards of energy professionals?
- » How do AEE members work with policymakers, regulators and other stakeholders?
- » How does working to international and local standards and goals help the fight against climate change?

Carbon Reduction | Energy Efficiency & Climate Change

AEE members that specialize in using energy-efficiency as a tool to reduce emissions, can assist companies and organizations to reduce their carbon footprint and become “carbon-neutral” as possible. They understand the principles of the Paris climate agreement, Kyoto Protocol, and other guidelines published by the UN, WRI, ISO, and WBCSD. Each country must have a regulatory framework to start implementing these measures effectively.

AEE members can work with policymakers, regulators and other stakeholders to interpret current trends and legal requirements; conduct carbon audits and emission inventories; identify reduction opportunities; set up a GHG emissions management program, verify and report carbon emissions in compliance with local and international standards. They are also able to structure financing and marketing to maximize a project’s success.

There are many scenarios for Energy Efficiency Professionals to design, construct, and operate buildings to perform better than the requirements defined in current codes and standards. AEE is a driving force that enables the collaboration needed to attain these transformations.